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16 February 1967

TO:

1. We are conducting a preliminary cost effectiveness comparison of collection systems. Our experimental study primarily undertaken to establish feasibility and usefulness of the approach, relates solely to those systems or parts of systems which contribute to our knowledge about Soviet ballistic missiles. We would appreciate your assistance in our work, to the extent of furnishing rough cost information. As a start the effectiveness estimates are being made by the analytical users of the information, primarily FMSAC and OSI personnel.

2. The collection assets we have identified as contributing to the information about Soviet ballistic missiles are listed in the attached table. Each asset is identified by geographic location, type of intelligence gathered, code name, and other designations. The list includes those collectors that contribute data to the ballistic missile. However, recognizing that some important collectors might have been overlooked, misnamed, or appear ambiguous, it will be appreciated if such omissions, misnames, and ambiguities are noted and clarified.

3. To complete costing the intelligence effort on Soviet ballistic missiles, it is necessary to obtain costs incurred by each collection asset by fiscal year for the interval from 1965 through 1972. The costs should be broken out into the following categories:

- a. Research, Development, Test, and Engineering (RDT&E)
- b. Investment
- c. Operations and Maintenance (O&M)

4. The costs should include all tasks related to support of the collector such as analysis, communications, etc. In case definitive support costs are not routinely broken down by collection task, prorating procedures will be adequate. Costs not to be included are those which support collection of intelligence on other targets such as Soviet ABM's, SAM's, ASM's, and Chinese or other foreign missile systems.

5. The basis used to allocate total system costs to those associated with the intelligence effort on Soviet ballistic missiles has not been specified. Therefore, an indication as to the procedure used should be noted by marking the appropriate box in line IV of Attachment B.

6. The data is needed on or before 24 March 1967. Should any questions arise, please contact

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MEMORANDUM FOR: D/DCI/NIPE

SUBJECT: Cost Data Needs in Support of  
Ballistic Missile Cost Effectiveness  
Study

1. For purposes of completing the cost effectiveness analysis of collectors contributing intelligence on Soviet ballistic missiles, cost data are needed from agency files and outside sources. A preliminary study shows that data in the Agency's files are generally adequate for costing Agency sponsored collection efforts but inadequate for other collection efforts. Thus costs on non-Agency collection programs tasked against Soviet ballistic missile systems must be requested from DIA, DOD, and NSA.

2. The collectors on which cost data are needed are listed in attachments 1 through 3 according to the agency providing fiscal support. Each of these collection assets has contributed or is capable of contributing to intelligence on Soviet ballistic missiles. Where possible the type of intelligence collected (i. e., ELINT, COMINT, RADINT, METEOROLOGICAL, WEATHER, OPTICAL, and PHOTOGRAPHY), codenames and other identifiers <sup>are</sup> ~~are~~ given

in the attachments. Cover letters state the need for the following types of costs on each collector:

- I. Research, Development, Test and Engineering (RDT&E)
- II. Investment
- III. Operations and Maintenance (O&M)

3. The cost data are needed by fiscal year for the interval beginning with FY 1965 through FY 1972. All costs such as analysis, communications, etc., related to or supporting the collection of Soviet ballistic missile intelligence should be included. Costs associated with collecting data on space shots, air-launched missiles, ABM, SAM, etc., should not be included. Cost divisions for an installation can be achieved by prorating on the basis of effort or tasking.

4. The three categories of cost requested, RDT&E, Investment, and O&M, are compatible with the DOD PCR procedures, and are considered desirable in order to acquire perspective on the potential growth of existing systems.

5. To coordinate the cost figures with the effectiveness analysis now in progress, cost data is desired as soon as available.

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ASA/D/DCI/NIPE